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Tom Garrison	GAR03 P-103	7644	
006	EXAM	INER	
VAN DYKE, GARDNER, LINN AND BURKHART, LLP		LEWIS, RALPH A	
3.	ARTIMIT	PAPER NUMBER	
305		THE EXTRONOLIS	
	•••	IN AND BURKHART, LLP LEWIS, R ART UNIT	

DATE MAILED: 03/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/608,203	GARRISON ET AL.	
Office Action Summary	Examiner	Art Unit	
	Ralph A. Lewis	3732	
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet with	the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REI WHICHEVER IS LONGER, FROM THE MAILING Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory peri Failure to reply within the set or extended period for reply will, by sta Any reply received by the Office later than three months after the may earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICA 1.136(a). In no event, however, may a rep- iod will apply and will expire SIX (6) MONTH tute, cause the application to become ABAI	ATION. ly be timely filed IS from the mailing date of this communication NDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 22	<u> 2 December 2005</u> .		
2a) ☐ This action is FINAL . 2b) ☒ T	his action is non-final.		
3) Since this application is in condition for allow	•	·	s is
closed in accordance with the practice unde	er Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.	
Disposition of Claims			
 4) Claim(s) 1-31 is/are pending in the applicating 4a) Of the above claim(s) is/are without 5) Claim(s) is/are allowed. 6) Claim(s) 1-31 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and 	drawn from consideration.		
Application Papers			
9) The specification is objected to by the Exam	iner.	1 0	,)
10) ☐ The specification is objected to by the Exam 10) ☐ The drawing(s) filed on 27 June 2003 is/are:			ormal)
Applicant may not request that any objection to t	• • • • • • • • • • • • • • • • • • • •	• •	
Replacement drawing sheet(s) including the cord 11) The oath or declaration is objected to by the			
11) The oath of declaration is objected to by the	Examiner. Note the attached v	Since Action of form F10-132	. .
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the papplication from the International Bur * See the attached detailed Office action for a	ents have been received. ents have been received in Apportionity documents have been received in Apport (PCT Rule 17.2(a)).	olication No eceived in this National Stage	
Attachment(s)	a> □ 1-4i 0	mmon (PTO 412)	
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 	Paper No(s)/	mmary (PTO-413) Mail Date	
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/Paper No(s)/Mail Date 09 June 2004		ormal Patent Application (PTO-152)	

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Election of Species

Applicant's election without traverse in the response of 22 December 2005 of

Species V is acknowledged. Upon further review of the claimed subject matter, the

examiner is of the position that the variations between the identified species don't

appear to warrant a restriction at this time and the election of species requirement is

withdrawn.

Rejections based on 35 U.S.C. 112, second paragraph

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 12 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite

for failing to particularly point out and distinctly claim the subject matter which applicant

regards as the invention.

In claim 12, lines 1 and 2, there is no antecedent basis for "said triangular

shaped cross-section" or "said trapezoidal-shaped cross-section."

Rejections based on Prior Art

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United

States.

Claims 1, 6, 8 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by von Weissenfluh (US 4,631,030).

Note the trapezoidal end 1'' connected with the triangular cross-section shaped portion.

Claims 1, 6, 8 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Fischer et al (US 5,890,900).

Note the prior art Figure 1 dental wedge having a trapezoidal proximal end connected with the triangular cross-section shaped portion.

Claims 10, 14 and 15 are rejected under 35 U.S.C. 102(b) as being anticipated by Rawls et al (US 5,527,181).

Note elastic outer portion 16 covering a harder core portion.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

⁽a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fischer et al (US 5,890,900) in view of Fischer et al (US 6,402,514).

Fischer et al in '900 discloses in Figure 1 a typical the prior art dental wedge having a trapezoidal proximal end connected with the triangular cross-section shaped portion. The distal tip in the prior art Figure 1 dental wedge is not rounded, however, Fischer et al '514 is cited to illustrate that such tips are typically rounded so as not to poke the patient's gums during insertion between the teeth. To have rounded the tip of prior art Fischer '900 wedge to avoid poking the patient's gums during insertion would have been obvious to one of ordinary skill in the art in light of the teaching by Fischer et al '514.

Claims 4-7 and 10-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fischer et al (US 5,890,900) in view of Mecham (US 2,867,905).

Fischer et al in '900 discloses in Figure 1 a typical the prior art dental wedge having a trapezoidal proximal end connected with the triangular cross-section shaped portion. The edges where the triangular sides connect with the base are not rounded as claimed, however, Mecham discloses a dental wedge having a triangular cross-section that tapers toward the distal end 16. The Mecham dental wedge is coated with an elastic thermoplastic that deforms to aid in holding the wedge in place and which rounds the edges where the triangular sides join with the base in rounded edges. To have coated the prior art Fischer et al Figure 1 dental wedge with an elastic material in order

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to aid in its placement as is known in the art and taught by Mecham would have been obvious to one of ordinary skill in the art.

Claims 10, 13-15 and 17-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mecham (US 2,867,905) in view of Fischer et al (US 6,402,514).

Mecham discloses a dental wedge having a triangular cross-section that tapers toward the distal end 16. The dental wedge has a harder core material 10 and an elastic thermoplastic outer layer 12. In the embodiment of Figure 6, the triangular sides join with the base in rounded edges. The tip of Mecham 16 appears to be fairly pointed, however, Fischer et al is cited to illustrate that such tips are typically rounded so as not to poke the patient's gums during insertion between the teeth. To have rounded the tip of Mecham wedge to avoid poking the patient's gums during insertion would have been obvious to one of ordinary skill in the art in light of the teaching by Fischer et al.

Claims 22-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fischer et al (US 5,890,900) in view of Mecham (US 2,867,905) as applied above with regard to claims 4-7 and 10-16 and in further view of Fischer et al (US 6,402,514).

Fischer et al in '900 discloses in Figure 1 a typical the prior art dental wedge having a trapezoidal proximal end connected with the triangular cross-section shaped portion. The distal tip in the prior art Figure 1 dental wedge is not rounded, however, Fischer et al '514 is cited to illustrate that such tips are typically rounded so as not to poke the patient's gums during insertion between the teeth. To have rounded the tip of

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prior art Fischer '900 wedge to avoid poking the patient's gums during insertion would have been obvious to one of ordinary skill in the art in light of the teaching by Fischer et al '514.

Prior Art

Applicant's information disclosure statement of June 09, 2004 has been considered and an initialed copy enclosed herewith.

Arlens (US 3,473,226), Tofflemire (US 3,636,631), Crowley (US 2,891,313), Walthall (US 3,510,948), Fischer et al (US 5,890,901) and Stan wich et al (US 6,482,007) are made of record.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry concerning this communication should be directed to **Ralph Lewis** at telephone number **(571) 272-4712**. Fax (571) 273-8300. The examiner works a compressed work schedule and is unavailable every other Friday. The examiner's supervisor, Kevin Shaver, can be reached at (571) 272-4720.

Ralph A. Lewis
Primary Examiner

AU3732

R.Lewis March 3, 2006